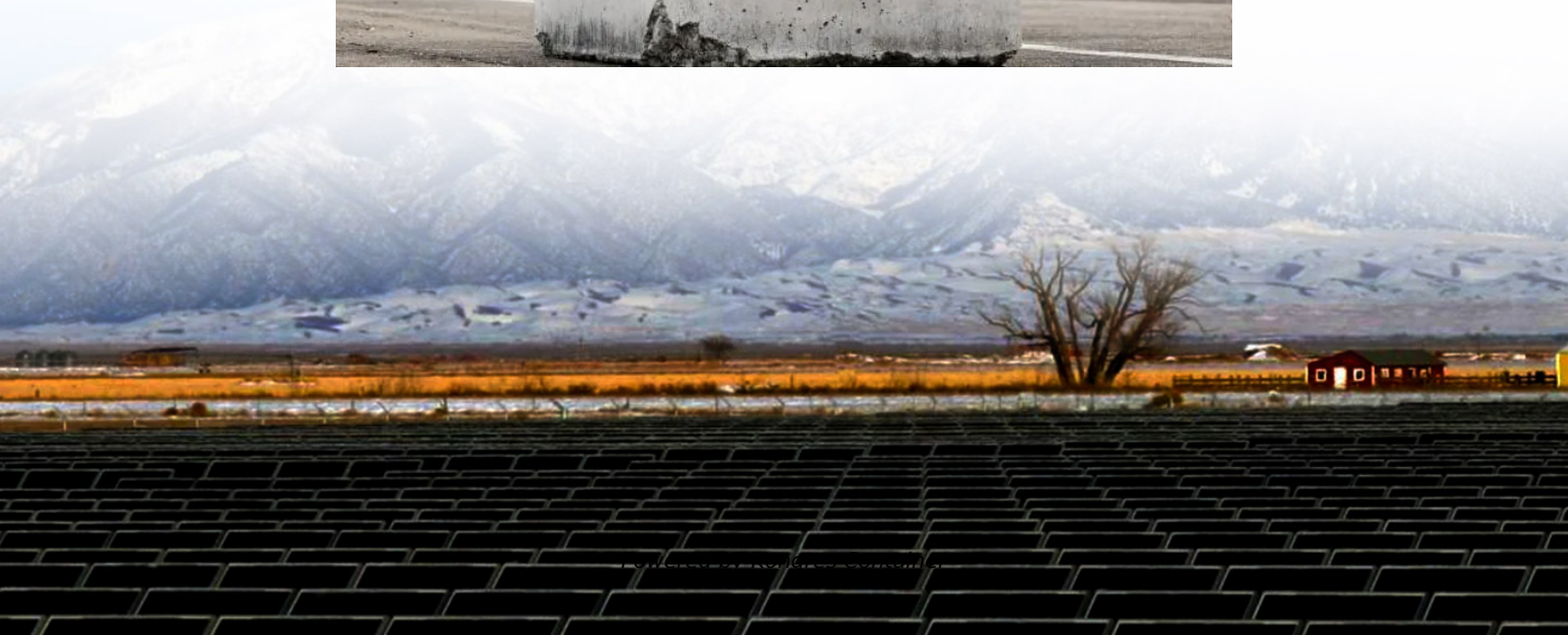


Kongres Container

Cellular flywheel energy storage



Overview

A typical system consists of a flywheel supported by connected to a . The flywheel and sometimes motor-generator may be enclosed in a to reduce friction and energy loss. First-generation flywheel energy-storage systems use a large flywheel rotating on mechanical bearings. Newer systems use composite

At its core, flywheel energy storage spins a rotor at ultra-high speeds (up to 50,000 RPM) in a vacuum. When grid demand spikes, the kinetic energy converts back to electricity within milliseconds. Unlike chemical-based systems, flywheels suffer no capacity fade over 20+ years.

Cellular flywheel energy storage

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